

Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application and annexed to the International Preliminary Report on Patentability:

1. (Currently Amended) Data requesting device (2) through at least one first communication network (5) from at least one data server (10), comprising:
 - sending means (22) for sending requests (REQU) of determined data to the server (10) via at least one second communication network (6),
 - receiving means (23) for receiving streamed data (DATA) from said server (10) via said first communication network (5) and for providing said data to processing means (24) for them to be exploited,
 - and control means (30) for producing pause control signals (XOFF), intended for pausing data streaming from said server (10), and for triggering the sending of said pause control signals (XOFF) to said server (10) via said second network (6) through said sending means (22),

~~characterized in that~~wherein said data requesting device (2) comprises maintenance means (31) for generating normal state signals (NORMAL, ~~KEEPA~~LIVE), intended to said server (10) for testifying normal operation at said data requesting device (2), and for triggering periodic transmission of said normal state signals (NORMAL, ~~KEEPA~~LIVE) to said server (10) via said second network (6) through said sending means (22).
2. (Currently Amended) Data requesting device (2) according to claim 1, ~~characterized in that~~wherein said control means (30) are intended to produce also resume control signals (XON), intended for resuming data streaming from said server (10) after pausing, and said sending means (22) are intended to

transmit to said server (10) via said second network (6) said resume control signals (~~XON~~).

3. (Currently Amended) Data requesting device (2) according to ~~any of claims 1 or 2, characterized in that~~wherein said data requesting device (2) comprises a user interface (35), enabling a user to trigger said control means (30) and said sending means (22), so as to cause said control signals (~~XOFF, XON~~) to be provided to said server (10) via said second network (6).

4. (Currently Amended) Data requesting device (2) according to ~~any of the preceding claim 1s, characterized in that~~wherein said received data (DATA) being stored in a central memory (26) before being exploited, said data requesting device (2) comprises regulation means (32), intended to trigger said control means (30) to produce a pause control signal (~~XOFF~~) when said data in said central memory (26) exceed a predetermined high threshold level (~~HFIFO~~) of said central memory (26).

5. (Currently Amended) Data requesting device (2) according to claim 4, ~~characterized in that~~wherein said regulation means (32) are intended to trigger said control means (30) to produce a resume control signal (~~XON~~) when said streaming has been paused by said regulation means (32) and said data in said central memory (26) decrease down to a predetermined low threshold level (~~LFIFO~~) of said central memory (26).

6. (Currently Amended) Data requesting device (2) according to ~~any of claims 4 or 5, characterized in that~~wherein at least one of said threshold levels (~~HFIFO, LFIFO~~) of said central memory (26) depends on a round-trip time (~~RTT~~) between said data requesting device (2) and said server (10).

7. (Currently Amended) Data requesting device (2) according to ~~any of the preceding claim 1s, characterized in that~~wherein:

- said receiving means (23) are intended to receive special warning messages (~~WARN~~) from said server (10) via said first network (5) when said server (10) has not received said normal state signals (~~NORMAL, KEEPALIVE~~) in due time,
- and said maintenance means are intended to trigger the sending of a normal state signal (~~NORMAL, KEEPALIVE~~) to said server (10) via said second network (6) as soon as said special warning message (~~WARN~~) is received.

8. (Currently Amended) Decoder, ~~characterized in that~~wherein it comprises a data requesting device (2) according to ~~any of claims 1 to 7.~~

9. (Currently Amended) Data requesting process through at least one first communication network (5) from at least one data server (10), comprising the following steps:

- sending requests (~~REQU~~) of determined data to the server (10) via at least one second communication network (6),
- receiving streamed data (~~DATA~~) from said server (10) via said first communication network (5) for them to be exploited,
- and producing and sending to said server (10) via said second network (6), pause control signals (~~XOFF~~), intended for pausing data streaming from said server (10),

~~characterized in that~~wherein said data requesting process comprises generating and periodically transmitting to said server (10) via said second network (6), normal state signals (~~NORMAL, KEEPALIVE~~), intended to said server (10) for testifying normal operation at said data requesting device (2).

10. (Currently Amended) Data transmitting device
(1) via at least one first communication network (5) comprising:
- receiving means (11) for receiving requests (REQU) of
determined data from at least one data requesting device (2) via at least
one second communication network (6),
- and streaming means (13) for triggering streaming of
said data (DATA) to said data requesting device (2) via said first network
(5),
said receiving means (11) being intended to receive from said data
requesting device (2) pause control messages (XOFF), and said streaming means (13)
being intended to pause said data streaming when said pause control messages
(XOFF) are received,

~~characterized in that~~wherein:

- said receiving means (11) are intended to receive
periodically normal state signals (NORMAL, ~~KEEPALIVE~~) from said data
requesting device (2),
- and said data requesting device (2) comprises alarm
means (15) intended to trigger an alarm state when said normal state
signals (NORMAL, ~~KEEPALIVE~~) are not received in due time,

said data transmitting device (1) being preferably provided for a data
requesting device (2) according to ~~any of claims 1 to 7~~.

11. (Currently Amended) Data transmitting device
(1) according to claim 10, ~~characterized in that~~wherein said alarm
means (15) are intended to trigger said alarm state when any of
said normal state signals (NORMAL, ~~KEEPALIVE~~) is not
received after a safety duration following an expected periodic
time for receiving said normal state signal, said safety duration
depending on a round-trip time (RTT) between said data
requesting device (2) and said data transmitting device (1).

12. (Currently Amended) Data transmitting device

(1) according to ~~any of claims 10 or 11, characterized in that~~wherein:

- said alarm means ~~(15)~~ are intended to produce a warning message ~~(WARN)~~ when any of said normal state signals ~~(NORMAL, KEEPALIVE)~~ is not received in due time,
- said data transmitting device (1) comprises transfer means (14) intended to send said warning message ~~(WARN)~~ to said data requesting device (2) via said first network ~~(5)~~,
- and said alarm means ~~(15)~~ are intended to trigger said alarm state only when a complementary duration has elapsed after the sending of said warning message ~~(WARN)~~.

13. (Currently Amended) Data transmitting device

(1) according to ~~any of claims 9 to 12, characterized in that~~wherein said receiving means ~~(11)~~ are intended to receive resume control messages ~~(XON)~~ from said data requesting device (2), and said streaming means ~~(13)~~ are intended to resume said data streaming when said streaming has been paused and one of said resume control messages ~~(XON)~~ is received.

14. (Currently Amended) Data transmitting process

via at least one first communication network ~~(5)~~ comprising the following steps:

- receiving requests ~~(REQU)~~ of determined data from at least one data requesting device (2) via at least one second communication network ~~(6)~~,
- streaming said data ~~(DATA)~~ to said data requesting device (2) via said first network ~~(5)~~,
- and receiving from said data requesting device (2) pause control messages ~~(XOFF)~~, and pausing said data streaming when said pause control messages ~~(XOFF)~~ are received,

~~characterized in that~~wherein it comprises also the following steps:

- receiving periodically normal state signals (~~NORMAL, KEEPALIVE~~) from said data requesting device (2),
- and triggering an alarm state when said normal state signals (~~NORMAL, KEEPALIVE~~) are not received in due time,

said data transmitting process being preferably intended to be executed by a data transmitting device (1) compliant with ~~any of claims 10 to 13~~.

15. (Currently Amended) Computer program product, ~~characterized in that~~wherein it comprises program code instructions for executing the steps of ~~one of the~~ processes of claims 9 ~~and 14~~ when said program is executed on a computer.

16. (New) Computer program product, wherein it comprises program code instructions for executing the steps of the process of claim 14 when said program is executed on a computer.